Scott M. Matheson
Governor

STATE OF UTAH
DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
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DIVISIONS
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Health Planning and Policy Development
Medical Examiner
State Health Laboratory

533-6146
February 20, 1981

Alvin F. Rickers, Director
Room 426 801-533-6121

Richard A. Dye
Atlas Minerals
Big Indian Mines
Moab, UT 84532

RE: Dunn & Calliham Containment Ponds

Dear Mr. Dye:

The plans and information regarding the Atlas Minerals Dunn and Calliham uranium mine wastewater treatment ponds northeast of Monticello have been reviewed. The January 20, 1981 engineering reports and plans DN-7-127d, CA-T-109-d were reviewed. The ponds were also inspected January 21 by Steven McNeal of this office. As a result of our review and inspection, the plans for the Dunn and Calliham total containment ponds are approved.

The Dunn mine pond is designed for the total containment of 4300 gallons/day. This 1.6 million gallon pond is clay lined and treated with an enzyme to reduce seepage. The dike has been compacted at a slope of approximately three horizontal to one vertical with a crest width of sixteen feet.

The Calliham system consists of two ponds for the total containment of 7200 gallons/day. This 3 million gallon system has an enzyme treated clay and dike construction similar to the Dunn pond.

Before the water in either system approaches the level of the overflow pipe additional treatment must be provided. A yearly report of the total water stored, maximum water level and reserve pond capacity shall be submitted to this bureau.

Sincerely,

UTAH WATER POLLUTION COMMITTEE

Calvin K. Sudweeks
Exeuctive Secretary

SRM:laf

cc: Oil, Gas & Mining
Southeast 208
Southeastern District Heath Department
Fred Nelson - Assistant Attorney General

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